

# **PCT**

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.						
01-39 PCT	ACTION					
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)				
PCT/US 03/01499 17/01/2003 30/01/2002						
Applicant						
VARIAN, INC.						
according to Article 18. A copy is be This International Search Report co	s been prepared by this International Searching Auting transmitted to the International Bureau.  nsists of a total of3 sheets.					
X It is also accompani	ed by a copy of each prior art document cited in this	s report.				
Basis of the report     a. With regard to the language language in which it was file	s, the international search was carried out on the bad, unless otherwise indicated under this item.	asis of the international application in the				
the international sea Authority (Rule 23.1	arch was carried out on the basis of a translation of (b)).	the international application furnished to this				
was carried out on the basis		international application, the international search				
l ————————————————————————————————————	ernational application in written form.					
	ne international application in computer readable for	rm.				
furnished subseque	ntly to this Authority in written form.					
	ently to this Authority in computer readble form.					
international applica	he subsequently furnished written sequence listing ation as filed has been furnished.					
the statement that t furnished	he information recorded in computer readable form	is identical to the written sequence listing has been				
2. Certain claims we	re found unsearchable (See Box I).					
	is lacking (see Box II).					
4. With regard to the title,						
the text is approved as submitted by the applicant.						
the text has been established by this Authority to read as follows:						
5. With regard to the abstract,  X the text is approved	d as submitted by the applicant.	ority as it appears in Box III. The applicant may.				
within one month fr	om the date of mailing of this international search r	eport, submit comments to this Authority.				
6. The figure of the <b>drawings</b> to t	be published with the abstract is Figure No.	4				
as suggested by th	e applicant.	None of the figures.				
because the applic	se the applicant failed to suggest a figure.					
because this figure	because this figure better characterizes the invention.					

### ATIONAL SEARCH REPORT

tional Application No PCT/US 03/01499

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01J49/42

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

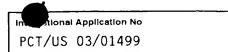
EPO-Internal, WPI Data, PAJ, INSPEC

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 575 778 A (EXTREL FTMS INC) 29 December 1993 (1993-12-29) abstract	1,8,13
A	SHENHENG G ET AL: "Stored waveform inverse Fourier transform (SWIFT) ion excitation in trapped-ion mass spectometry: theory and applications" INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, ELSEVIER SCIENTIFIC PUBLISHING CO. AMSTERDAM, NL, vol. 157-15, no. DOUBLE, 20 December 1996 (1996-12-20), pages 5-37, XP004062762 ISSN: 0168-1176 abstract	1,8,13

X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.		
Special categories of cited documents:      A* document defining the general state of the art which is not considered to be of particular relevance.	<ul> <li>*T* later document published after the international filing date or pnority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</li> <li>*&amp;* document member of the same patent family</li> </ul>		
*E* earlier document but published on or after the international filing date  *L* document which may throw doubts on priority claim(s) or			
which is cited to establish the publication date of another citation or other special reason (as specified)  *O* document referring to an oral disclosure, use, exhibition or other means			
*P* document published prior to the international filing date but later than the priority date claimed			
Date of the actual completion of the international search	Date of mailing of the international search report		
27 May 2003	05/06/2003		
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer		
NI - 2280 HV Rijswijk Tel (+31 -70) 340 - 2040, 1x - 31 651 epo nl. f ax (+31 -70) 340 - 3016	Hulne, S		

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#### INTERNATIONAL SEARCH REPORT



C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 449 905 A (KELLEY PAUL E ET AL) 12 September 1995 (1995-09-12) cited in the application abstract	1,8,13
А	US 5 324 939 A (LOURIS JOHN N ET AL) 28 June 1994 (1994-06-28) cited in the application abstract	1,8,13
A	US 5 198 665 A (WELLS GREGORY J) 30 March 1993 (1993-03-30) cited in the application abstract	1,8,13

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Information on patent family members

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